



FULBRIGHT & JAWORSKI L.L.P.

A REGISTERED LIMITED LIABILITY PARTNERSHIP

600 CONGRESS AVENUE, SUITE 2400

AUSTIN, TEXAS 78701-3271

WWW.FULBRIGHT.COM

RHANSON@FULBRIGHT.COM
DIRECT DIAL: (512) 536-3085

TELEPHONE: (512) 474-5201
FACSIMILE: (512) 536-4598

June 21, 2004

CERTIFICATE OF MAILING
37 C.F.R. 1.8

I certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

June 21, 2004

Date

Robert E. Hanson

MS AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

RE: *U.S. Patent Application No. 10/730,763 entitled "PLANTS AND SEEDS OF CORN VARIETY LH249" – Lance Veldboom*

Our reference: HFSC:018US

Client reference: 34-52 (51649)

Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references A1-A26 and C1-C29.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/HFSC:018US.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

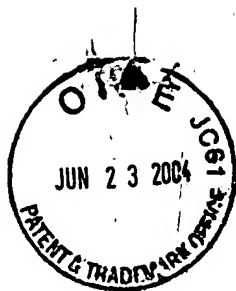
Respectfully submitted,

Robert E. Hanson

Reg. No. 42,628

REH/kmv

Encl.: as noted



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Lance Veldboom

Serial No.: 10/730,763

Filed: December 8, 2003

For: PLANTS AND SEEDS OF CORN
VARIETY LH249

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: HFSC:018US

CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: MS AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

June 21, 2004

Date

Robert E. Hanson

INFORMATION DISCLOSURE STATEMENT

MS AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

LH249 was developed from an initial cross of LH236 x LH242 followed by selfing and use of the pedigree system of plant breeding. Yield, stalk quality, root quality, disease tolerance, late plant greenness, late plant intactness, ear retention, pollen shedding ability, silking ability and corn borer tolerance were the criteria used to determine the rows from which ears were selected.

LH236 and LH242 are both proprietary field corn inbred lines of Holden's Foundation Seeds, LLC. PVPA certificate 9700003 was issued for LH236 on May 29, 1998. U.S. Patent No. 5,731,504, issued March 4, 1998, also protects LH236. PVPA certificate 9700076 was issued for LH242 on May 29, 1998. U.S. Patent No. 5,750,850, May 12, 1998, also protects LH242.

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/HFSC:018US.

Applicant respectfully requests that the listed documents be made of record in the present case.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'R. Hanson', is written over the printed name.

Robert E. Hanson
Reg. No. 42,628
Attorney for Applicant

FULBRIGHT & JAWORSKI L.L.P.
600 Congress Avenue, Suite 2400
Austin, Texas 78701
(512) 474-5201

Date: June 21, 2004

Form PTO-1449 (modified)		Atty. Docket No. HFSC:018US	Serial No. 10/730,763
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Lance Veldboom	
		Filing Date: December 8, 2003	Group: Unknown
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 2</i>	Other Art <i>See Page 2</i>	

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A24	5,767,341	6/16/98	Eggerling	800	200	12/05/96
	A25	5,773,683	6/30/98	Foley	800	200	12/06/96
	A26	6,091,007	7/18/00	Hoffbeck and Hohnstrater	800	320.1	3/10/98

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Armstrong & Green, "Establishment and Maintenance of Friable Embryogenic Maize Callus and the Involvement of L-Proline," <i>Planta</i> , 164:207-214, 1985.
	C2	Beckmann and Soller, "Restriction Fragment Length Polymorphisms in Plant Genetic Improvement," <i>Oxfors Surveys of Plant Molecular & Cell Biology</i> , 3:196-250, 1986.
	C3	Conger <i>et al.</i> , "Somatic Embryogenesis from Cultured Leaf Segments of <i>Zea Mays</i> ," <i>Plant Cell Reports</i> , 6:345-347, 1987.
	C4	Duvick, "Genetic Contributions to Yield Gains of U.S. Hybrid Maize, 1930 to 1980," <i>Genetic Contributions to Yield Gains of Five Major Crop Plants: Proceedings of a Symposium sponsored by Div. C-1, Crop Science Society of America</i> , December 2, 1981 in Atlanta, Georgia; W.R. Fehr, <i>Crop Science Society of America and American Society of Agronomy</i> , Madison, Wisconsin, pp. 15-47.
	C5	Edallo <i>et al.</i> , "Chromosomal Variation and Frequency of Spontaneous Mutation Associated with <i>in vitro</i> Culture and Plant Regeneration in Maize," <i>Maydica</i> , 26:39-56, 1981.
	C6	Eshed and Zamir, "Less-than-addictive epistatic interactions of quantitative trait loci in tomato," <i>Genetics</i> , 143:1807-1817, 1996.
	C7	Fehr (ed.), <i>Principles of Cultivar Development, Vol. 1: Theory and Technique</i> , pp. 360-376, 1987.

25382607.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)

List of Patents and Publications for Applicant

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
HFSC:018USSerial No.
10/730,763Applicant
Lance VeldboomFiling Date:
December 8, 2003Group:
UnknownU.S. Patent Documents
*See Page 1*Foreign Patent Documents
*See Page 2*Other Art
See Page 2

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	3,903,645	9/09/75	Bradner	47	58	3/29/74
	A2	4,368,592	1/18/83	Welch	47	58	7/27/81
	A3	4,517,763	6/21/85	Beversdorf <i>et al.</i>	47	58	5/11/83
	A4	4,581,847	4/15/86	Hibberd <i>et al.</i>	47	58	4/15/86
	A5	4,594,810	6/17/86	Troyer	47	58	2/21/85
	A6	4,607,453	8/26/86	Troyer	47	58	2/21/85
	A7	4,626,610	12/02/86	Sun	800	1	1/11/85
	A8	4,629,819	12/16/86	Lindsey	800	1	4/26/85
	A9	4,642,811	2/10/87	Hibberd <i>et al.</i>	800	1	2/21/85
	A10	4,654,466	3/31/87	Lindsey	800	1	4/29/85
	A11	4,658,084	4/14/87	Beversdorf <i>et al.</i>	800	1	11/14/85
	A12	4,658,085	4/14/87	Beversdorf <i>et al.</i>	800	1	4/14/87
	A13	4,677,246	6/30/87	Armond <i>et al.</i>	800	1	4/26/85
	A14	4,731,499	4/15/88	Puskaric <i>et al.</i>	800	1	1/29/87
	A15	4,737,596	4/12/88	Seifert <i>et al.</i>	800	1	1/29/87
	A16	5,276,262	1/04/94	Arthur and Johnson	800	200	11/25/91
	A17	5,276,263	1/04/94	Foley	800	200	12/06/91
	A18	5,304,717	4/19/94	Miller	800	200	12/06/91
	A19	5,436,387	7/25/95	Arthur <i>et al.</i>	800	200	10/21/93
	A20	5,523,520	6/04/96	Hunsperger and Holtrop	800	200	6/24/94
	A21	5,714,671	2/03/98	Peters	800	200	7/12/96
	A22	5,731,504	2/24/98	Foley	800	200	10/04/96
	A23	5,750,850	5/12/98	Foley	800	200	12/05/96

25382607.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)		Atty. Docket No. HFSC:018US	Serial No. 10/730,763
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Lance Veldboom	
		Filing Date: December 8, 2003	Group: Unknown
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 2</i>	Other Art <i>See Page 2</i>	

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C8	Gaillard <i>et al.</i> , "Optimization of maize microspore isolation and culture condition for reliable plant regeneration," <i>Plant Cell Reports</i> , 10(2):55, 1991.
	C9	Gerdes and Tracy, "Diversity of historically important sweet corn inbreds as estimated by rflp's, morphology, isozymes, and pedigree," <i>Crop Science</i> , 34(1):26-33, 1994.
	C10	Gordon-Kamm <i>et al.</i> , "Transformation of maize cells and regeneration of fertile transgenic plants," <i>The Plant Cell</i> , 2:603-618, 1990.
	C11	Green & Phillips, "Plant regeneration from tissue cultures of maize," <i>Crop Science</i> , 15:417-421, 1975.
	C12	Green & Rhodes, "Plant regeneration in tissue cultures of maize," <i>Maize for Biological Research</i> , ed. W.F. Sheridan, A Special Publication of the Plant Molecular Biology Association, pp. 367-372, 1982.
	C13	Hallauer <i>et al.</i> , "Corn Breeding," <i>Corn and Corn Improvement</i> , eds., Sprague <i>et al.</i> , Madison, Wisconsin, Ch. 8, pp. 463-564, 1988.
	C14	Kraft <i>et al.</i> , "Linkage disequilibrium and fingerprinting in sugar beet," <i>Theor. Appl. Genet.</i> , 101:323-326, 2000.
	C15	Larson & Hanway, "Corn Production," <i>Corn and Corn Improvement</i> , ed. G.F. Sprague, No. 18 in Agronomy Series, American Society of Agronomy, Inc., Madison, Wisconsin, pp. 625-669, 1977.
	C16	Meghji <i>et al.</i> , "Inbreeding depression, inbred and hybrid grain yields, and other traits of maize genotypes representing three eras," <i>Crop Science</i> , 24:545-549, 1984.
	C17	Pace <i>et al.</i> , "Anther culture of maize and the visualization of embryogenic microspores by fluorescent microscopy," <i>Theoretical and Applied Genetics</i> , 73:863-869, 1987.
	C18	Phillips <i>et al.</i> , "Cell/tissue culture and <i>in vitro</i> manipulation," <i>Corn and Corn Improvement</i> , eds., Sprague <i>et al.</i> , Ch. 5, pp. 345-387, 1988.
	C19	Poehlman & Sleper (eds), <i>Breeding Field Crops</i> , 4th Ed., pp. 172-175, 1995.
	C20	Poehlman, <i>Breeding Field Crops</i> , 3rd ed., AVI Publishing Company, Westport, Connecticut, pp. 469-481, 1987.
	C21	Rao <i>et al.</i> , "Somatic embryogenesis in glume callus cultures," <i>Maize Genetics Cooperation Newsletter</i> , Vol. 60, 1986.

25382607.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)		Atty. Docket No. HFSC:018US	Serial No. 10/730,763
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Lance Veldboom	
		Filing Date: December 8, 2003	Group: Unknown
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 2</i>	Other Art <i>See Page 2</i>	

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C22	Rhodes <i>et al.</i> , Genetically transformed maize plants from protoplasts," <i>Science</i> , 240:204-207, 1988.
	C23	Rieger <i>et al.</i> , <i>Glossary of Genetics and Cytogenetics, Classical and Molecular</i> , Springer-Verlag, Berlin, p. 116, 1976.
	C24	Smith and Smith, "Restriction fragment length polymorphisms can differentiate among U.S. maize hybrids," <i>Crop Sci</i> , 31:893-899, 1991.
	C25	Sprague & Eberhart, "Corn Breeding," <i>Corn and Corn Improvements</i> , ed. G.F. Sprague, No. 18 in Agronomy Series, American Society of Agronomy, Inc., Madison, Wisconsin, pp. 305-323, 1977.
	C26	Troyer, "A retrospective view of corn genetic resources," <i>Journal of Heredity</i> , 81:17-24, 1990.
	C27	Wright, "Commercial hybrid seed," <i>Hybridization of Crop Plants</i> , Fehr <i>et al.</i> , eds. Am. Soc. of agron.-Crop Sci. Soc. of Am., Madison, Wisconsin, Ch. 8, pp. 161-176, 1980.
	C28	Wych, "Production of hybrid seed corn," <i>Corn and Corn Improvement</i> , eds., Sprague <i>et al.</i> , editors, Madison, Wisconsin, Ch. 9, pp. 565-607, 1988.
	C29	Plant Variety Protection Certificate No. 9700003 for Inbred Corn Line LH236, issued May 29, 1998.

25382607.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)